SEQ. ID. NO.:1

GAGACTGCAGCAGAATATGTAAAATCTCGACTCCCAGAGGCTCTTAAGC
AGCACCTTCAGGATTATGAGAAGGACAAAGAAAACAGTGTTCTGACCTA
CCAGACCATCCTCGAGCAGCAGATCTTGTCAATTGACCGGGAAATGCTG
GAAAAGTTGACAGTCTCCTATGATGAAGCAGGCACAACGTGTTTGATCS
CTCTACTCTCAGATAAAGACCTCACCGTGGCCAACGTTGGTGACTCTCG
GGGAGTCTTGTGTGACAAAGATGGCAATGCCATCCCCTTGTCTCACGAT
CACAAGCCTTACCAGCTGAAGGAAAGGAAGAGGATAAAGAGAGCTGGTG
GGTTCATCAGCTTTAATGGCTCCTGGAGGGTCCAGGGAATCCTAGCCAT
GTCTCGATCCCTGGGAGACTATCCACTGAAAAATCTCAACGTGGTCATC
CCAGACCCAGACATCTTGACCTTTGACCTGGACAAGCTGCAGCCGGAGT
TCATGATCTTGGCCTCAGATGGCCTGTGGGATGCTTTCAGCAATGAAGA
AGCGGTTCGATTCATCAAGGAGCGCTTGGATGAGCCCCACTTTGGGGCC
AAAAGCATCGTCCTGCAGTCCTTTTACAGAGGCTGCCCTGACAACATCA
CTGTCATGGTGGTGAAGTTCAGGAATAGTAGCAAAACAGAAGAGCACTG
AACCCTGCCAGATCTCAGCTGCCCCAAACTAGAGGACTCTCAACATACT
GTTCTCTTCATGTAGTAAAAGGTGTGGGTATAATTAGGATCATGCGTCC
CAACACAGAACCCCCTTCCCTGATGGCCTTGAATCCCTTTGGAGTACTG
AGCAGAGGGTTGGTTCCCTTGCTGACACCGCAGAGGCTGCTAAGTTTGT
GTCCCCCCAGCCCTTCTATCAGTGTTTGAAACACATACGTAGGTAGCCA
CAGATCCCACATATGAGGCAAAGGAAAGGCAGGCCATATGTTTTCCTTC
TTAATAATGTACTTTT

SEQ. ID. NO.:2

ETAAEYVKSRLPEALKQHLQDYEKDKENSVLTYQTILEQQILSIDREML
EKLTVSYDEAGTTCLIXLLSDKDLTVANVGDSRGVLCDKDGNAIPLSHD
HKPYQLKERKRIKRAGGFISFNGSWRVQGILAMSRSLGDYPLKNLNVVI
PDPDILTFDLDKLQPEFMILASDGLWDAFSNEEAVRFIKERLDEPHFGA
KSIVLQSFYRGCPDNITVMVVKFRNSSKTEEH

FIGURE 1

Underlined = deleted in targeting construct

Bold = sequence flanking Neo insert in targeting construct

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GAGACTGCAGCAGAATATGTAAAATCTCGACTCCCAGAGGCTCTTAAGCAGCACCTTCAG
GATTATGAGAAGGACAAAGAAAACAGTGTTCTGACCTACCAGACCATCCTCGAGCAGCAG
ATCTTGTCAATTGACCGGGAAATGCTGGAAAAGTTGACAGTCTCCTATGATGAAGCAGGC
ACAACGTGTTTGATCSCTCTACTCTCAGATAAAGACCTCACCGTGGCCAACGTTGGTGAC
TCTCGGGGAGTCTTGTGTGACAAAGATGGCAATGCCATCCCCTTGTCTCACGATCACAAG
CCTTACCAGCTGAAGGAAAGGAAGAGGATAAAGAGAGCTGGTGGGTTCATCAGCTTTAAT
GGCTCCTGGAGGGTCCAGGGAATCCTAGCCATGTCTCGATCCCTGGGAGACTATCCACTG
AAAAATCTCAACGTGGTCATCCCAGACCCAGACATCTTGACCTTTGACCTGGACAAGCTG
CAGCCGGAGTTCATGATCTTGGCCTCAGATGGCCTGTGGGATGCTTTCAGCAATGAAGA
AGCGGTTCGATTCATCAAGGAGCGCTTGGATGAGCCCCACTTTGGGGCCAAAAGCATCGT
CCTGCAGTCCTTTTACAGAGGCTGCCCTGACAACATCACTGTCATGGTGGTGAAGTTCAG
GAATAGTAGCAAAACAGAAGAGCACTGAACCCTGCCAGATCTCAGCTGCCCCAAACTAGA
GGACTCTCAACATACTGTTCTCTTCATGTAGTAAAAGGTGTGGGTATAATTAGGATCATG
CGTCCCAACACAGAACCCCCTTCCCTGATGGCCTTGAATCCCTTTGGAGTACTGAGCAGA
GGGTTGGTTCCCTTGCTGACACCGCAGAGGCTGCTAAGTTTGTGTCCCCCCAGCCCTTCT
ATCAGTGTTTGAAACACATACGTAGGTAGCCACAGATCCCACATATGAGGCAAAGGAAAG
GCAGGCCATATGTTTTCCTTCTTAATAATGTACTTTT
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FIGURE 2A